

**ABSTRACT**

Provided are static and free-floating breakwater apparatuses that utilize a rocking panel (or beach) to dissipate wave energy. At the same time, such rocking motion can in certain embodiments be used to generate electrical power.

- 5 Generally speaking, the breakwater apparatuses use a buoyant element, such as an open-bottomed hollow chamber and/or a ballast tank to resist the wave's force.